1. Briefly describe hill climbing search. Its advantages and shortcomings. How you can overcome those shortcomings? 6
2. What is population-based search? How it is different than hill climbing search? 3
3. Iterative deepening search seems expensive but it is not that much wasteful. Justify the claim. 5
4. For the following figure find the MAX value of root node. If you apply alpha-beta pruning then show the tree after the pruning. 6

